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What is claimed:

1. A method of calibrating a system for detecting a location of a potential breach along a security fence, the method comprising the steps of:

providing a fiber optic cable along the security fence, with a light transmission and reception device attached to one end of the fiber optic cable;

having a person move along the security fence;

having the person interrupt light traveling through the fiber optic cable at a certain position;

taking note of a ground distance between a reference point and the certain position; sensing the interruption in the fiber optic cable at the light transmission and reception device;

determining an associated cable length existing between the light transmission and reception device and the interruption in the fiber optic cable; and

recording the ground distance and the associated cable length in a memory.

2. The method according to claim 1, wherein the person takes note of the ground distance, and is considered to be a first person, and further comprising the steps of:

the first person contacting a second person;

the second person receiving communications from the light transmission and reception device;

the first person sending information to the second person including the ground distance; and

the second person entering the ground distance and the associated cable length into the memory via a controller.

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3. The method according to claim 2, wherein the second person manually enters at least

one of the ground distance and the associated length into the memory via a keyboard

connected to the controller.

4. The method according to claim 2, wherein the second person verbally enters at least

one of the ground distance and the associated length into the memory via a microphone and

voice recognition software ran by the controller.

5. The method according to claim 2, wherein the first person contacts the second person

via a wireless communications device.

6. The method according to claim 1, further comprising the steps of:

providing the person who interrupts light traveling in the fiber optic cable with a first

wireless communications device;

providing a second wireless device connected to a controller, the light transmission

and reception device and the memory;

transmitting the ground distance from the first wireless communications device to the

second wireless communications device; and

the second wireless communications device providing the ground distance to a

controller which stores the ground distance and the associated cable length in the memory.

7. The method according to claim 1, further comprising the steps of:

providing the person who interrupts light traveling in the fiber optic cable with a first

wireless communications device connected to a controller;

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connecting a second wireless communications device to the light transmission and

reception device;

transmitting the associated cable length from the second wireless communications

device to the first wireless communications device;

the first wireless communications device providing the associated cable length to the

controller; and

the controller storing the ground distance and associated cable length in the memory.

8. The method according to claim 5, wherein the ground distance is manually input into

the first wireless communications device by the first person, and wherein the first person

interrupts light traveling through the fiber optic cable by bending the cable.

9. The method according to claim 5, wherein the ground distance is automatically input

into the first wireless communications device by an output of a global positioning system

(GPS) connected to the first wireless communications device.

10. The method according to claim 1, wherein the transmission and reception device is an

ODTR.

11. The method according to claim 1, wherein the reference point is the start of the

security fence.

12. The method of claim 1, further comprising:

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having the person interrupt light traveling through the fiber optic cable at different

certain positions at different ground distances, in order to record a table of linked values of

ground distances and associated cable lengths in the memory.

13. A calibration system for calibrating a monitoring system for detecting a location of a

potential breach along a security fence, the calibration system comprising:

a fiber optic cable ran along a security fence;

a light transmission and reception device attached to one end of said fiber optic cable;

a controller attached to said light transmission and reception device;

a first wireless communications device operated by a first person moving along the

security fence, after the first person interrupts light traveling through said fiber optic cable at

a certain position, said first wireless communications device transmitting a ground distance

from a reference point to the certain position;

a second wireless communications device receiving the ground distance from said

first wireless communications device; and

a memory connected to said controller, wherein said light transmission and reception

device in cooperation with said controller determines an associated cable length existing

between the light transmission and reception device and the interruption in the cable, and

wherein said controller stores the ground distance and the associate cable length in said

memory.

14. The system of claim 13, wherein said second wireless communication device is

operated by a second person, who inputs the ground distance into said controller.

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15. The system of claim 13, wherein said second wireless communications unit is

connected to said controller.

16. The system of claim 13, wherein said first wireless communications unit includes a

global positioning system (GPS) unit to determine the ground distance from the reference

point.

17. An operating method for a security fence monitoring system comprising:

constantly monitoring an output of a light transmission and reception device to

determine a time delay of a light signal passing through a fiber optic cable attached to a

security fence;

if the time delay varies outside of a threshold value, issuing an alarm signal, and

converting the time delay provided by the transceiver into a cable length

value;

comparing the cable length value to a lookup table stored in a memory;

determining a zone of a potential breach point; and

calculating an approximate location of the potential breach within the zone.

18. The method of claim 17, wherein the alarm signal causes activation of a visual or

audible alarm device.

19. The method of claim 17, wherein the alarm signal and the zone of the potential breach

point are sent to a remote monitoring station.

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20. The method of claim 17, wherein said step of calculating the approximate location of the potential breach within the zone includes determining an average weave pattern density of the fiber optic cable for the zone.